

FIG. 5

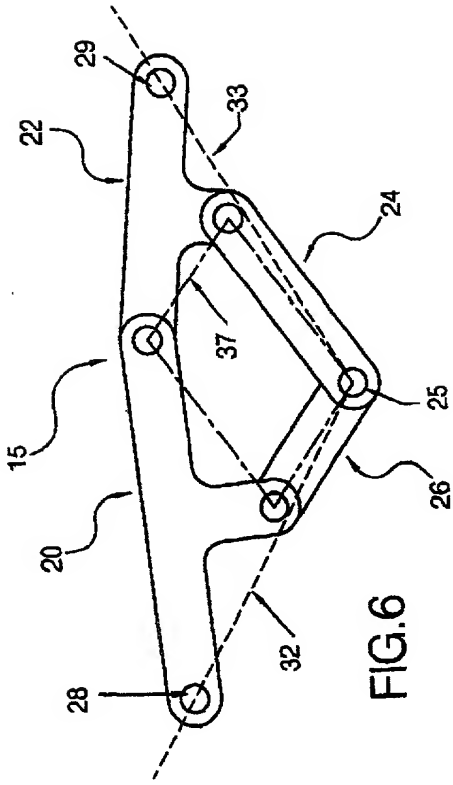


FIG. 6

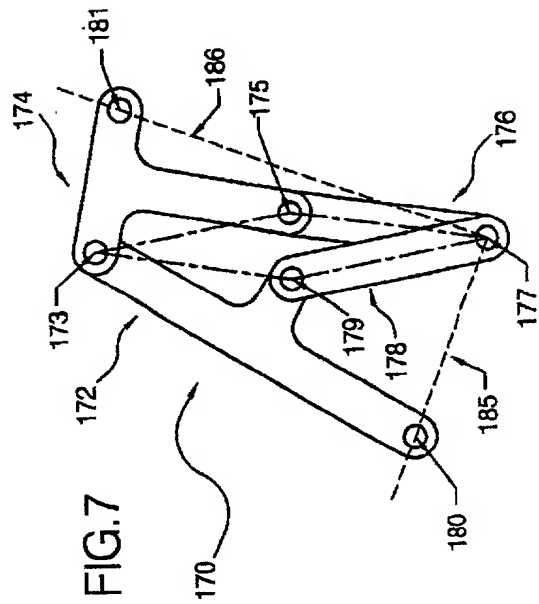


FIG. 7

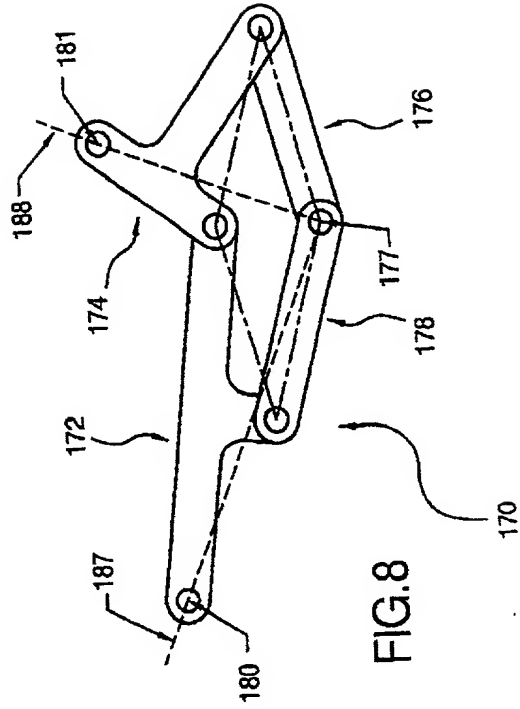


FIG. 8

173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626
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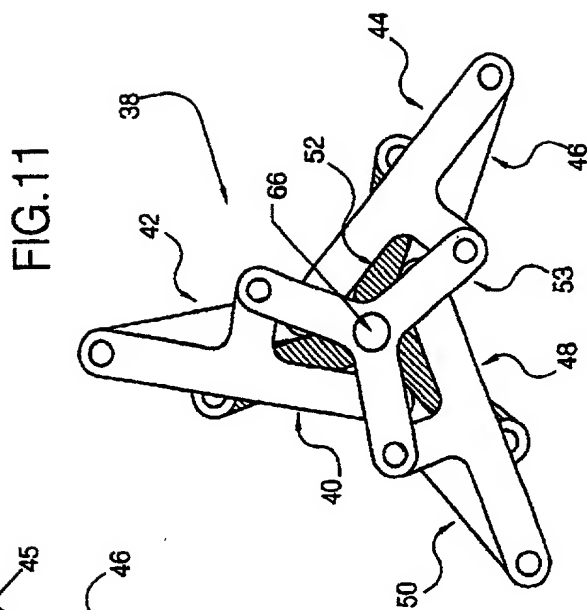
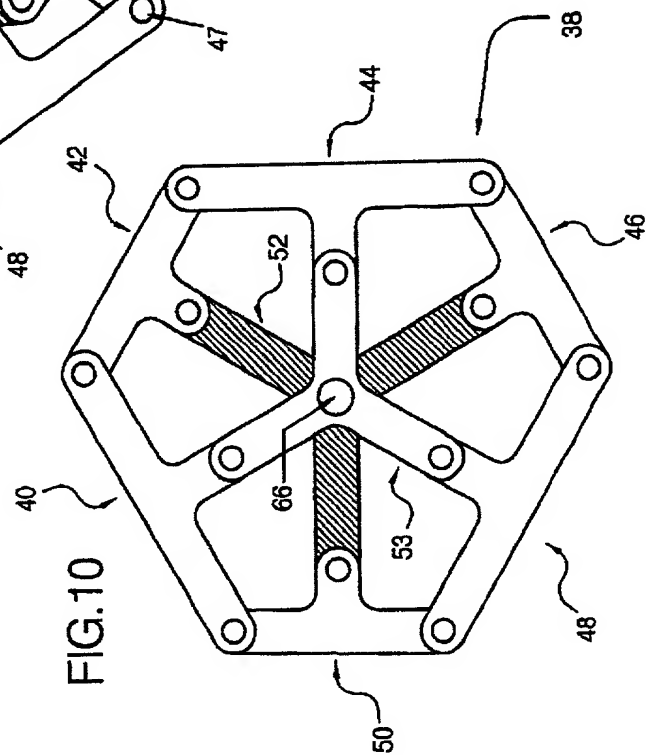
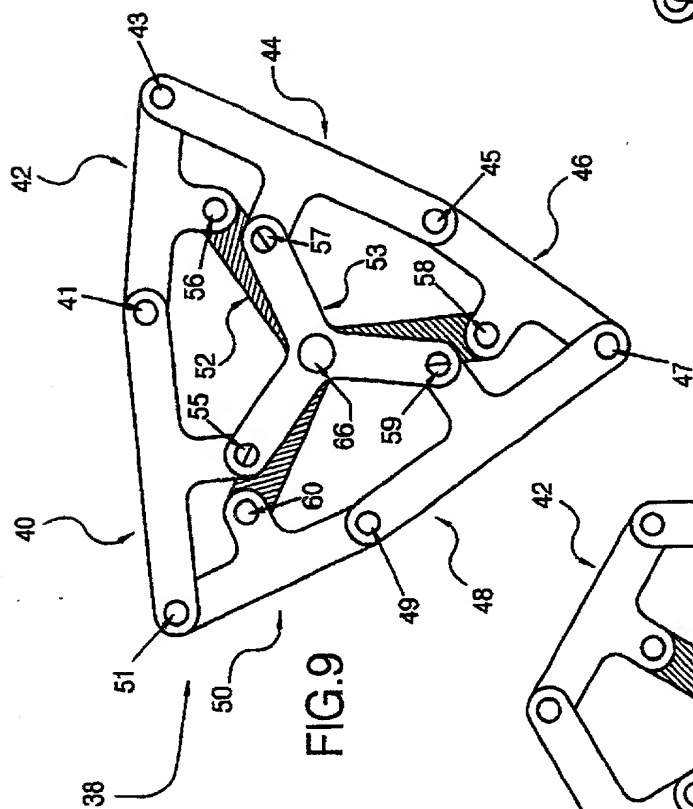


FIG. 12 is a schematic diagram of a mechanical linkage system in a first configuration. The system includes a base member 70, a first link 72, a second link 74, a third link 76, and a fourth link 78. The first link 72 is pivoted to the base member 70 at joint 81 and to the second link 74 at joint 82. The second link 74 is pivoted to the third link 76 at joint 83. The third link 76 is pivoted to the fourth link 78 at joint 84. The fourth link 78 is pivoted to the base member 70 at joint 85. A dashed line 91 indicates the path of the first link 72. A dashed line 92 indicates the path of the second link 74. A dashed line 93 indicates the path of the third link 76. A dashed line 94 indicates the path of the fourth link 78.

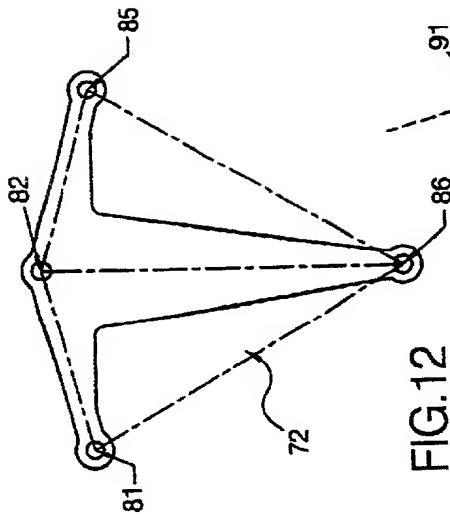


FIG. 12

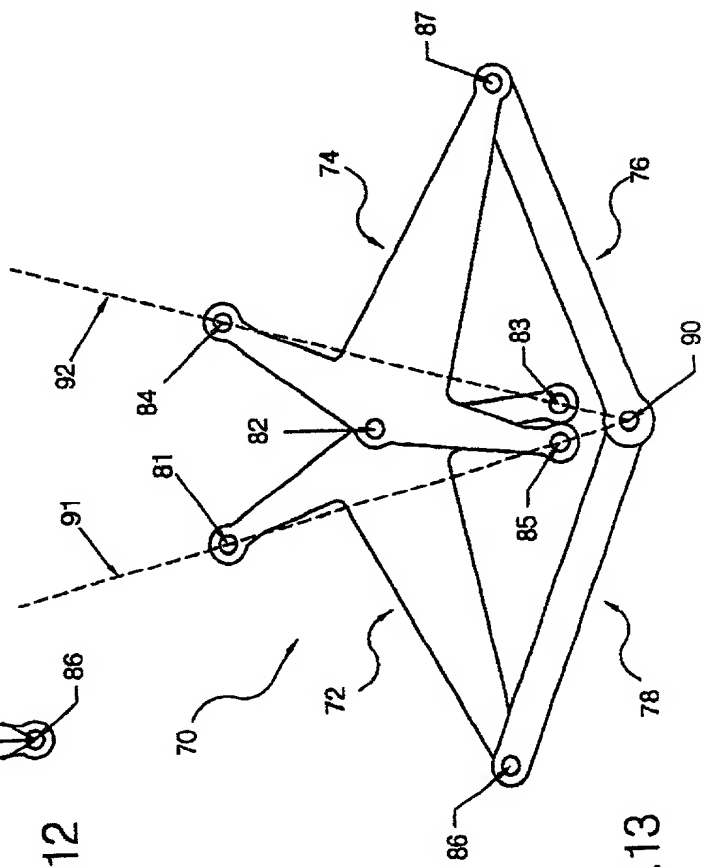


FIG. 13

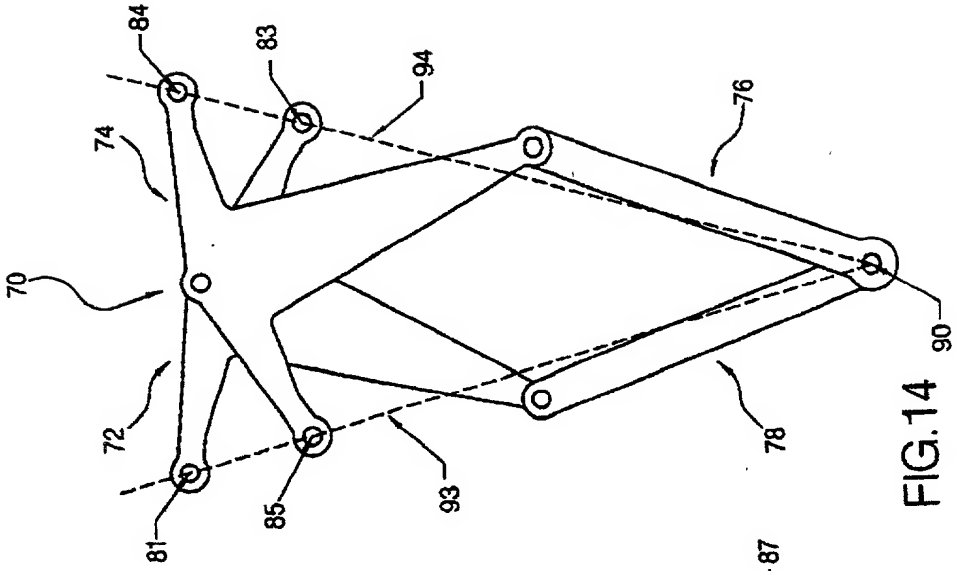


FIG. 14

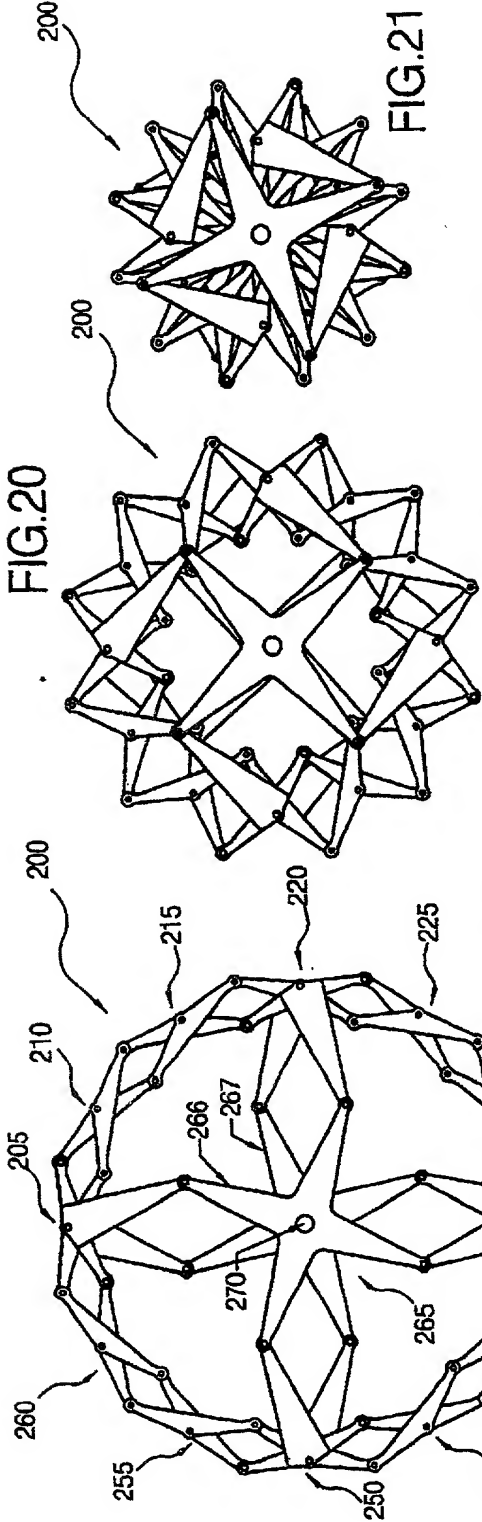


FIG. 20

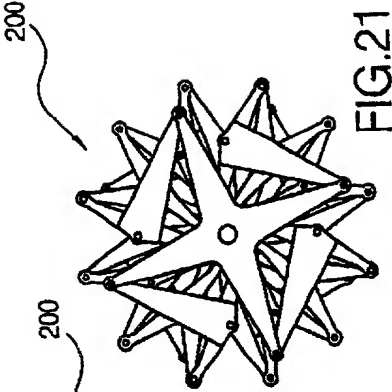
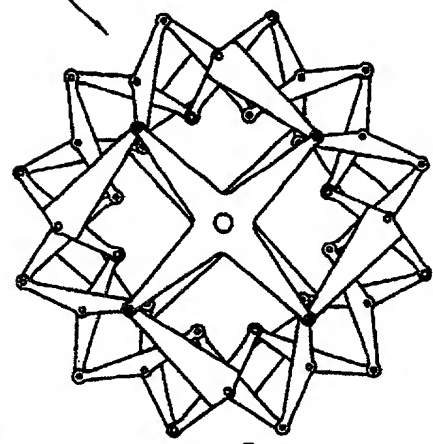


FIG. 21

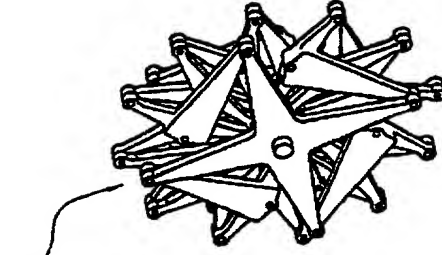


FIG. 24

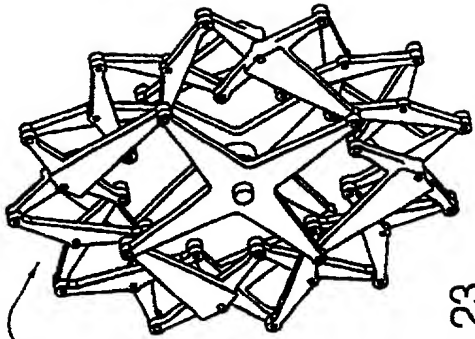


FIG. 23

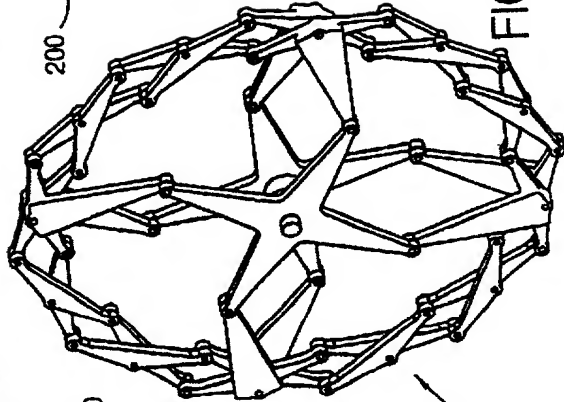


FIG. 22

FIG. 19

FIG. 25

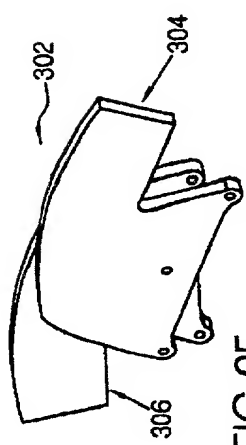


FIG. 25

FIG. 27

300

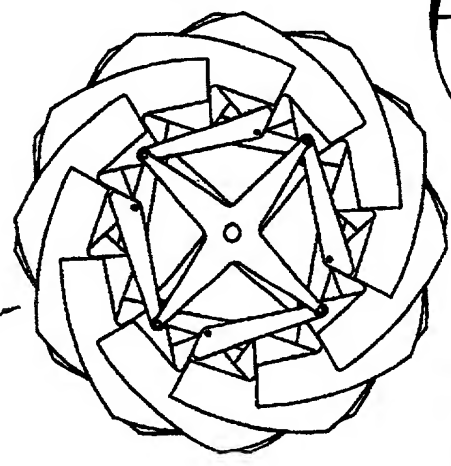
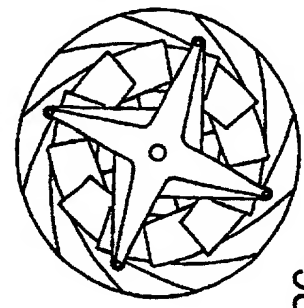


FIG. 26

300



300

FIG. 30

300

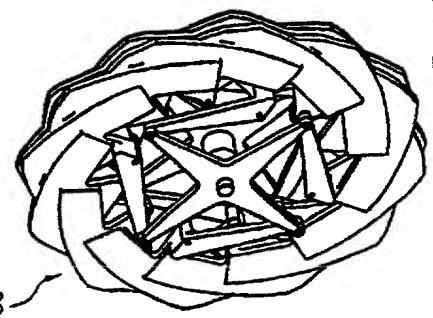


FIG. 29

300

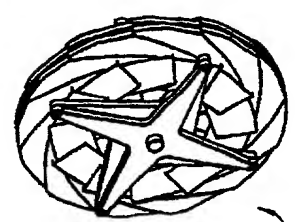


FIG. 31

300

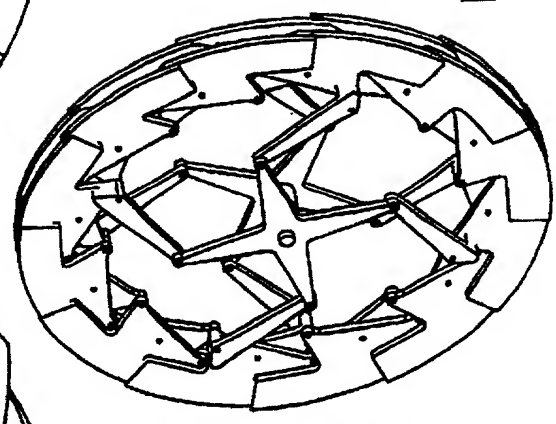


FIG. 28

300

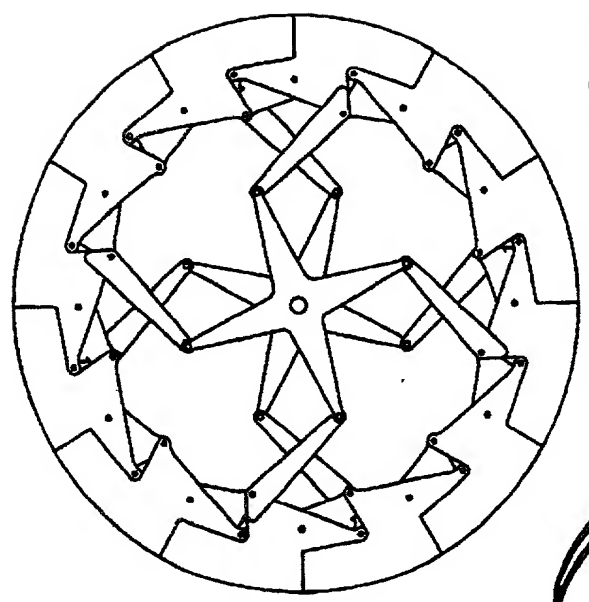


FIG.32

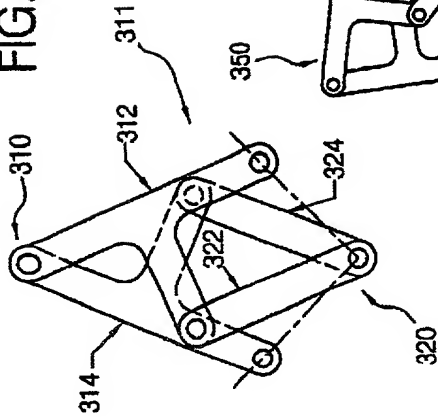


FIG.33

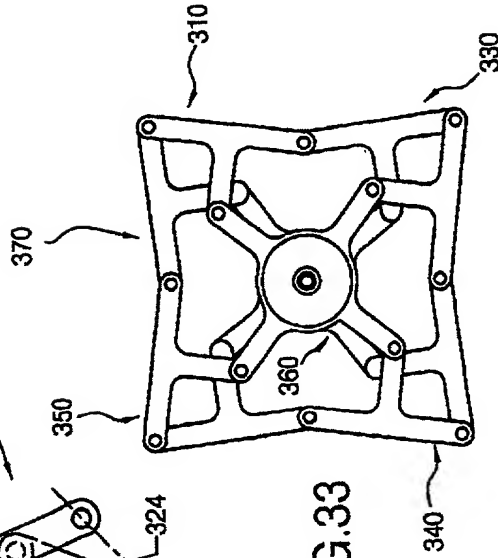


FIG.34

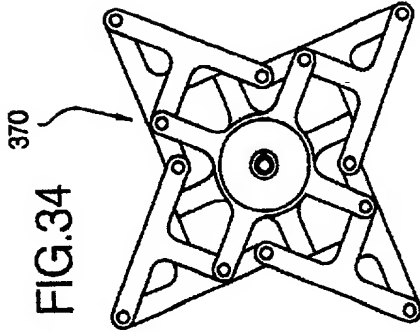


FIG.35

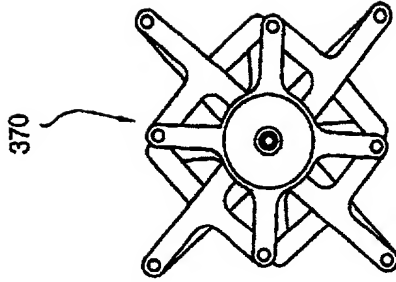


FIG.36

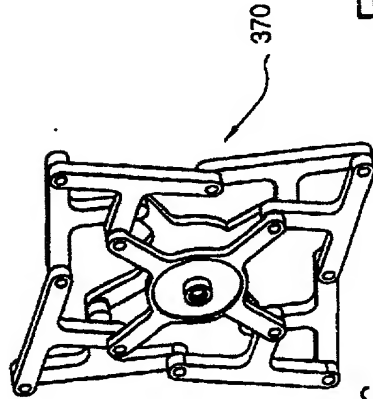


FIG.37

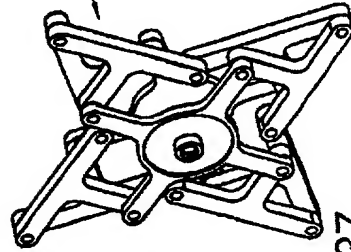


FIG.38

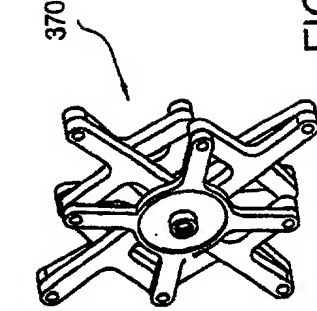


FIG. 41 is a perspective view of the device 500 in a first configuration. The device 500 includes a central hub 505 and a plurality of arms 510 extending from the hub. Each arm 510 is connected to a base 515. The device 500 is shown in a first configuration where the arms 510 are extended outwards from the hub 505.

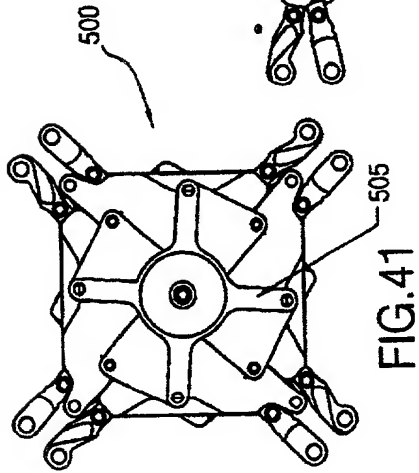


FIG. 41

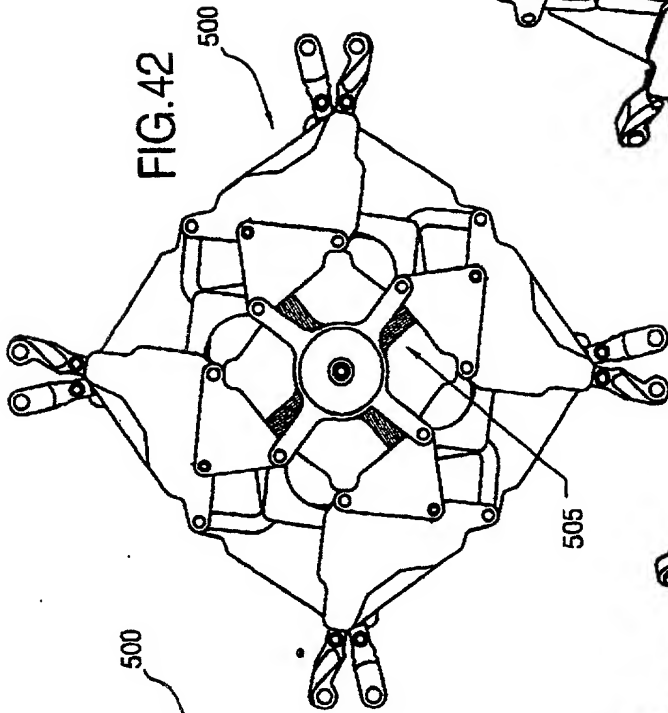


FIG. 42

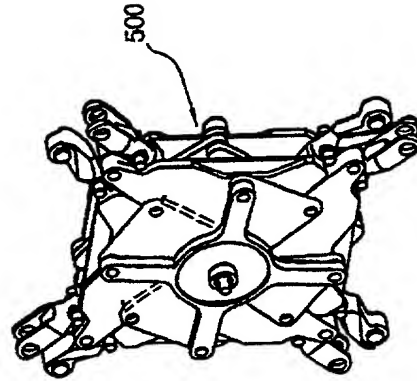


FIG. 43

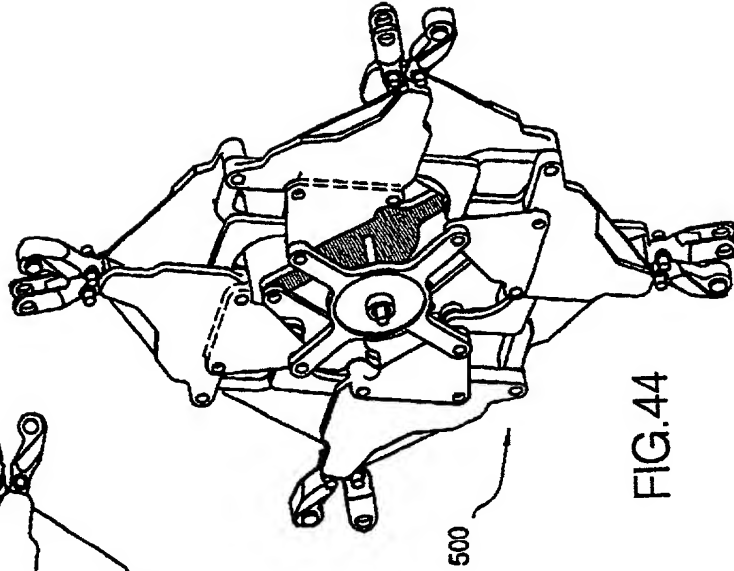


FIG. 44

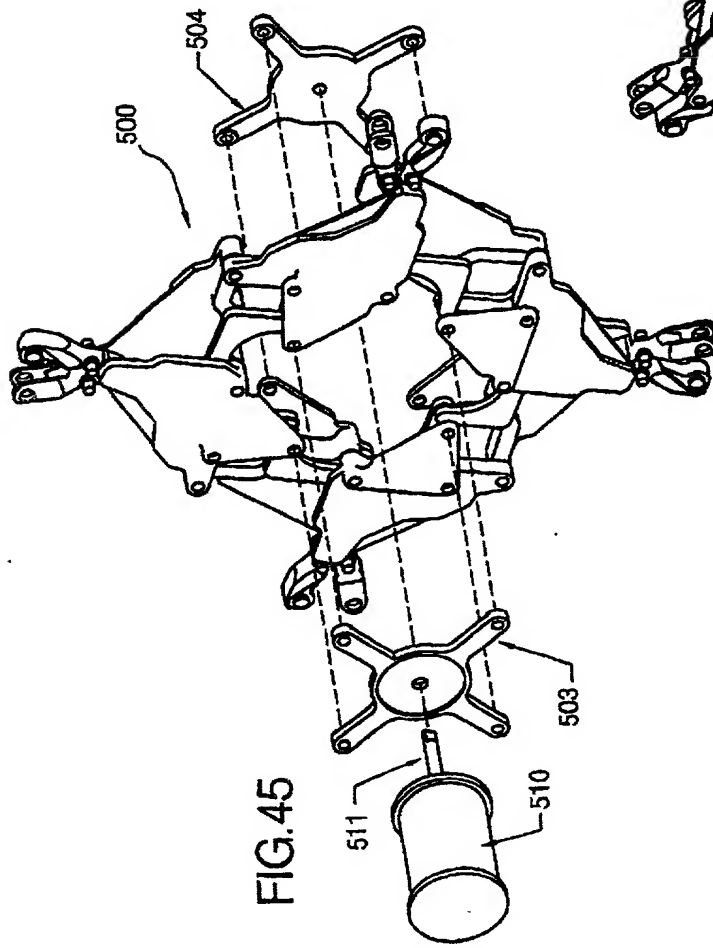


FIG. 45

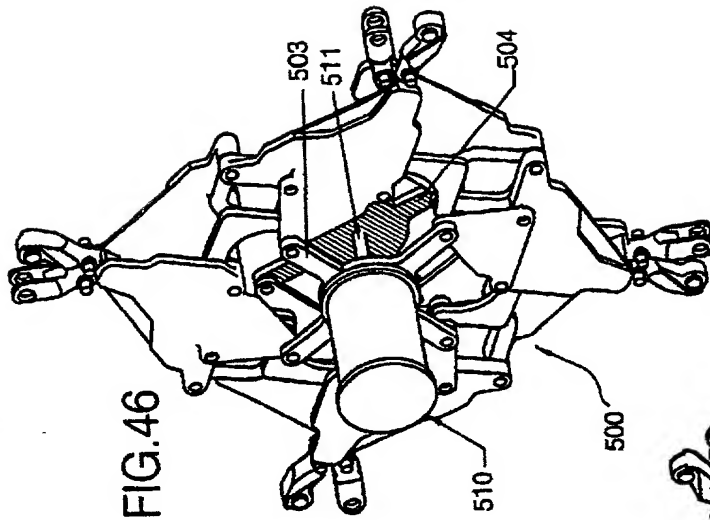


FIG. 46

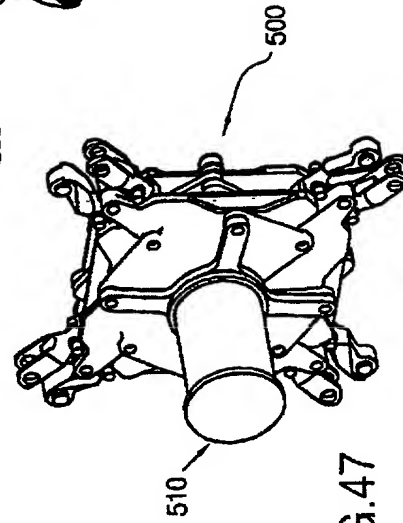


FIG. 47